Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RKK

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 25	Searching with the P indicator for Preparations
NEWS 4	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 5	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 6	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 7	Mar 08	Gene Names now available in BIOSIS
NEWS 8	Mar 22	TOXLIT no longer available
NEWS 9	Mar 22	TRCTHERMO no longer available
NEWS 10	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 11	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 12	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 13	Apr 08	"Ask CAS" for self-help around the clock
NEWS 14	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 15	Apr 09	ZDB will be removed from STN

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

```
FILE 'HOME' ENTERED AT 16:15:53 ON 17 APR 2002

=> file agricola biosis embase uspatful
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.42       0.42

FILE 'AGRICOLA' ENTERED AT 16:16:52 ON 17 APR 2002

FILE 'BIOSIS' ENTERED AT 16:16:52 ON 17 APR 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 16:16:52 ON 17 APR 2002
COPYRIGHT (C) 2002 Elsevier Science B.V.  All rights reserved.

FILE 'USPATFULL' ENTERED AT 16:16:52 ON 17 APR 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s glucan(w)lyase
L1          53 GLUCAN(W) LYASE

=> s l1 and anhydrofructose
L2          16 L1 AND ANHYDROFRUCTOSE

=> s l2 and d-anhydrofructose
L3           3 L2 AND D-ANHYDROFRUCTOSE

=> d l3 1-3

L3   ANSWER 1 OF 3  USPATFULL
AN     2000:4667  USPATFULL
TI     .alpha.-1,4-  ***glucan***     ***lyase***   from a fungus infected
       algae, its purification, gene cloning and expression in microorganisms
IN     Yu, Shukun, Malmo, Sweden
       Bojsen, Kirsten, Allerod, Denmark
       Kragh, Karsten, Viby, Denmark
       Bojko, Maja, Gentofte, Denmark
       Nielsen, John, Copenhagen, Denmark
       Marcussen, Jan, Copenhagen, Denmark
PA     Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
PI     US 6013504              20000111
       WO 9510618  19960420
AI     US 1996-633768          19960702 (8)
       WO 1994-EP3399          19941015
                               19960702  PCT 371 date
                               19960702  PCT 102(e) date
PRAI   GB 1993-21301       19931015
DT     Utility
FS     Granted
LN.CNT 1543
INCL   INCLM: 435/232.000
       INCLS: 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100;
              536/023.200; 536/023.740; 424/094.500
NCL    NCLM:  435/232.000
       NCLS:  424/094.500; 435/105.000; 435/252.300; 435/252.330; 435/257.200;
              536/023.100; 536/023.200; 536/023.740
IC     [6]
```

ICM: C12N009-88
EXF 435/232; 435/257.2; 435/252.3; 435/252.33; 435/105; 536/23.1; 536/23.2; 536/23.74; 424/94.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 3 USPATFULL
AN 1999:63233 USPATFULL
TI .alpha.-1,4- ***glucan*** ***lyase*** from a fungus, its purification gene cloning and expression in microorganisms
IN Bojsen, Kirsten, Allerod, Denmark
Yu, Shukun, Malmo, Sweden
Kragh, Karsten, Viby J, Denmark
Christensen, Tove, Allerod, Denmark
Marcussen, Jan, Copenhagen, Denmark
PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
PI US 5908760 19990601
WO 9510617 19950420
AI US 1996-633770 19960708 (8)
WO 1994-EP3398 19941015
19960708 PCT 371 date
19960708 PCT 102(e) date
PRAI GB 1993-21302 19931015
DT Utility
FS Granted
LN.CNT 1285
INCL INCLM: 435/069.100
INCLS: 536/023.740; 536/024.320; 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000; 530/823.000; 935/011.000; 935/014.000; 935/068.000
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000; 530/823.000; 536/023.740; 536/024.320
IC [6]
ICM: C12N015-00
ICS: C12N009-88; C07H021-04
EXF 435/69.1; 435/240.1; 435/320.1; 435/183; 435/200; 435/232; 536/23.74; 536/24.32; 935/11; 935/14; 935/66; 935/68; 530/344; 530/350; 530/412; 530/417; 530/820; 530/823
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 3 USPATFULL
AN 97:115135 USPATFULL
TI ***Glucan*** ***lyase*** producing 1,5- ***anhydrofructose***
IN Yu, Shukun, Malmo, Sweden
Pedersen, Marianne, Rallarvagen, Sweden
Kenne, Lennart, Marsta, Sweden
PA T&M Biopolymer Aktiebolag, Uppsala, Sweden (non-U.S. corporation)
PI US 5695970 19971209
WO 9409122 19940428
AI US 1995-416709 19950418 (8)
WO 1993-SE854 19931019
19950418 PCT 371 date
19950418 PCT 102(e) date
PRAI SE 1992-3084 19921021
DT Utility
FS Granted
LN.CNT 1039

INCL INCLM: 435/105.000
INCLS: 435/232.000; 435/252.330; 435/252.300; 435/257.200; 536/023.200
NCL NCLM: 435/105.000
NCLS: 435/232.000; 435/252.300; 435/252.330; 435/257.200; 536/023.200
IC [6]
ICM: C12P019-02
ICS: C12N009-88; C12N001-20
EXF 435/232; 435/257.1; 435/105; 435/257.2; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.13	7.55

FILE 'STNGUIDE' ENTERED AT 16:20:15 ON 17 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 12, 2002 (20020412/UP).

=> file agricola biosis embase uspatful

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.30	7.85

FILE 'AGRICOLA' ENTERED AT 16:23:25 ON 17 APR 2002

FILE 'BIOSIS' ENTERED AT 16:23:25 ON 17 APR 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'EMBASE' ENTERED AT 16:23:25 ON 17 APR 2002
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE 'USPATFULL' ENTERED AT 16:23:25 ON 17 APR 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l1 and anhydrofructose
L4 16 L1 AND ANHYDROFRUCTOSE

=> d l4 1-16

L4 ANSWER 1 OF 16 AGRICOLA
AN 93:91053 AGRICOLA
DN IND20357338
TI alpha-1,4- ***Glucan*** ***lyase*** , a new class of starch/glycogen degrading enzyme. I. Efficient purification and characterization from red seaweeds.
AU Yu, S.; Kenne, L.; Pedersen, M.
AV DNAL (381 B522)
SO Biochimica et biophysica acta = International journal of biochemistry and biophysics, Mar 21, 1993. Vol. 1156, No. 3. p. 313-320
Publisher: Amsterdam : Elsevier Science Publishers.
CODEN: BBACAQ; ISSN: 0006-3002

NTE Includes references
CY Netherlands
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L4 ANSWER 2 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2002:87827 BIOSIS
DN PREV200200087827
TI ***Glucan*** ***lyase*** producing 1,5- ***anhydrofructose*** .
AU Yu, S.; Pedersen, M.; Kenne, L.
CS Malmo Sweden
ASSIGNEE: T&M BIOPOLYMER AKTIEBOLAG
PI US 5695970 Dec. 9, 1997
SO Official Gazette of the United States Patent and Trademark Office Patents, (Dec. 9, 1997) Vol. 1205, No. 2, pp. 1310.
ISSN: 0098-1133.
DT Patent
LA English

L4 ANSWER 3 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:185806 BIOSIS
DN PREV200100185806
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana.
AU Konishi, Yotaro (1); Hashima, Keiko; Kishida, Kunihiro
CS (1) Faculty of Human Life Science, Osaka City University, 3-3-138, Sugimoto, Sumiyoshi-ku, Osaka, 558-8585: konishi@life.osaka-cu.ac.jp Japan
SO Bioscience Biotechnology and Biochemistry, (November, 2000) Vol. 64, No. 11, pp. 2462-2465. print.
ISSN: 0916-8451.
DT Article
LA English
SL English

L4 ANSWER 4 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:93236 BIOSIS
DN PREV200100093236
TI N-linked oligosaccharide processing enzyme glucosidase II produces 1,5-***anhydrofructose*** as a side product.
AU Hirano, Kiyoko; Ziak, Martin; Kamoshita, Keiichi; Sukenaga, Yoshikazu; Kametani, Shunichi; Shiga, Yoko; Roth, Jurgen; Akanuma, Hiroshi (1)
CS (1) Department of Life Sciences (Chemistry), Graduate School of Arts and Sciences, The University of Tokyo, Komaba, Meguro-ku, Tokyo, 153-8902 Japan
SO Glycobiology, (December, 2000) Vol. 10, No. 12, pp. 1283-1289. print.
ISSN: 0959-6658.
DT Article
LA English
SL English

L4 ANSWER 5 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:443718 BIOSIS
DN PREV199900443718
TI alpha-1,4- ***Glucan*** ***lyases*** producing 1,5-anhydro-D-fructose from starch and glycogen have sequence similarity to alpha-glucosidases.

AU Yu, Shukun (1); Bojsen, Kirsten; Svensson, Birte; Marcussen, Jan
CS (1) Danisco Biotechnology, Danisco A/S, Langebrogade 1, DK 1001, Copenhagen K Denmark
SO Biochimica et Biophysica Acta, (Aug. 17, 1999) Vol. 1433, No. 1-2, pp. 1-15.
ISSN: 0006-3002.
DT General Review
LA English
SL English

L4 ANSWER 6 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:420016 BIOSIS
DN PREV199799719219
TI The third glycogenolytic pathway which produces 1,5-***anhydrofructose*** and 1,5-anhydroglucitol.
AU Akanuma, H.; Kametani, S.; Shiga, Y.; Sakuma, M.; Kadokura, T.; Suzuki, M.
CS Dep. Life Sci., Graduate Sch. Arts and Sci., Univ. Tokyo, Tokyo 153 Japan
SO FASEB Journal, (1997) Vol. 11, No. 9, pp. A984.
Meeting Info.: 17th International Congress of Biochemistry and Molecular Biology in conjunction with the Annual Meeting of the American Society for Biochemistry and Molecular Biology San Francisco, California, USA August 24-29, 1997
ISSN: 0892-6638.
DT Conference; Abstract
LA English

L4 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:86066 BIOSIS
DN PREV199799377779
TI Hepatic production of 1,5- ***anhydrofructose*** and 1,5-anhydroglucitol in rat by the third glycogenolytic pathway.
AU Kametani, Shunichi; Shiga, Yoko; Akanuma, Hiroshi (1)
CS (1) Dep. Life Sci., Graduate Sch. Arts Sci., Univ. Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153 Japan
SO European Journal of Biochemistry, (1996) Vol. 242, No. 3, pp. 832-838.
ISSN: 0014-2956.
DT Article
LA English

L4 ANSWER 8 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:256615 BIOSIS
DN PREV199395135790
TI Alpha-1,4- ***Glucan*** ***lyase*** , a new class of starch/glycogen degrading enzyme: I. Efficient purification and characterization from red seaweeds.
AU Yu, Shukun (1); Kenne, Lennart; Pedersen, Marianne
CS (1) Dep. Physiol. Bot., Uppsala Univ., Box S-572 36 Uppsala Sweden
SO Biochimica et Biophysica Acta, (1993) Vol. 1156, No. 3, pp. 313-320.
ISSN: 0006-3002.
DT Article
LA English

L4 ANSWER 9 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 2001054598 EMBASE
TI N-linked oligosaccharide processing enzyme glucosidase II produces 1,5-***anhydrofructose*** as a side product.
AU Hirano K.; Ziak M.; Kamoshita K.; Sukenaga Y.; Kametani S.; Shiga Y.; Roth

J.; Akanuma H.
CS H. Akanuma, Department of Life Sciences Chem., The University of Tokyo, Meguro-ku, Komaba, Tokyo 153-8902, Japan
SO Glycobiology, (2000) 10/12 (1283-1289).
Refs: 34
ISSN: 0959-6658 CODEN: GLYCE3
CY United Kingdom
DT Journal; Article
FS 004 Microbiology
029 Clinical Biochemistry
LA English
SL English

L4 ANSWER 10 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 2000186992 EMBASE
TI 1,5-Anhydro-D-fructose increases glucose tolerance by increasing glucagon-like peptide-1 and insulin in mice.
AU Ahren B.; Holst J.J.; Yu S.
CS B. Ahren, Department of Medicine, Lund University, Malmo University Hospital, SE-205 02 Malmo, Sweden. bo.ahren@medforsk.mas.lu.se
SO European Journal of Pharmacology, (26 May 2000) 397/1 (219-225).
Refs: 29
ISSN: 0014-2999 CODEN: EJPHAZ
PUI S 0014-2999(00)00261-2
CY Netherlands
DT Journal; Article
FS 029 Clinical Biochemistry
003 Endocrinology
030 Pharmacology
037 Drug Literature Index
LA English
SL English

L4 ANSWER 11 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 1999274717 EMBASE
TI .alpha.-1,4- ***Glucan*** ***lyases*** producing 1,5-anhydro-D-fructose from starch and glycogen have sequence similarity to .alpha.-glucosidases.
AU Yu S.; Bojsen K.; Svensson B.; Marcussen J.
CS S. Yu, Danisco Biotechnology, Danisco A/S, Langebrogade 1, DK 1001 Copenhagen K, Denmark. g7sy@danisco.com
SO Biochimica et Biophysica Acta - Protein Structure and Molecular Enzymology, (1999) 1433/1-2 (1-15).
Refs: 53
ISSN: 0167-4838 CODEN: BBAEDZ
PUI S 0167-4838(99)00152-1
CY Netherlands
DT Journal; General Review
FS 022 Human Genetics
029 Clinical Biochemistry
004 Microbiology
LA English
SL English

L4 ANSWER 12 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 93089007 EMBASE
DN 1993089007

TI .alpha.-1,4- ***Glucan*** ***lyase*** , a new class of starch/glycogen degrading enzyme. I. Efficient purification and characterization from red seaweeds.
AU Yu S.; Kenne L.; Pedersen M.
CS Department of Physiological Botany, Uppsala University, Box 540,S-752 36 Uppsala, Sweden
SO Biochimica et Biophysica Acta - General Subjects, (1993) 1156/3 (313-320). ISSN: 0304-4165 CODEN: BBGSB3
CY Netherlands
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English

L4 ANSWER 13 OF 16 USPATFULL
AN 2002:16641 USPATFULL
TI Foodstuff
IN Soe, Jorn Borch, Mundelstrup, DENMARK
PI US 2002009518 A1 20020124
AI US 2000-750990 A1 20001228 (9)
RLI Continuation-in-part of Ser. No. WO 1999-IB1354, filed on 20 Jul 1999, UNKNOWN
PRAI GB 1998-15905 19980721
GB 1998-24758 19981111
DT Utility
FS APPLICATION
LN.CNT 1268
INCL INCLM: 426/033.000
INCLS: 426/061.000; 426/601.000
NCL NCLM: 426/033.000
NCLS: 426/061.000; 426/601.000
IC [7]
ICM: A23L001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 16 USPATFULL
AN 2000:4667 USPATFULL
TI .alpha.-1,4- ***glucan*** ***lyase*** from a fungus infected algae, its purification, gene cloning and expression in microorganisms
IN Yu, Shukun, Malmo, Sweden
Bojsen, Kirsten, Allerod, Denmark
Kragh, Karsten, Viby, Denmark
Bojko, Maja, Gentofte, Denmark
Nielsen, John, Copenhagen, Denmark
Marcussen, Jan, Copenhagen, Denmark
PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
PI US 6013504 20000111
WO 9510618 19960420
AI US 1996-633768 19960702 (8)
WO 1994-EP3399 19941015
19960702 PCT 371 date
19960702 PCT 102(e) date
PRAI GB 1993-21301 19931015
DT Utility
FS Granted
LN.CNT 1543
INCL INCLM: 435/232.000

INCLS: 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100; 536/023.200; 536/023.740; 424/094.500
NCL NCLM: 435/232.000
NCLS: 424/094.500; 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100; 536/023.200; 536/023.740
IC [6]
ICM: C12N009-88
EXF 435/232; 435/257.2; 435/252.3; 435/252.33; 435/105; 536/23.1; 536/23.2; 536/23.74; 424/94.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 16 USPATFULL
AN 1999:63233 USPATFULL
TI .alpha.-1,4- ***glucan*** ***lyase*** from a fungus, its purification gene cloning and expression in microorganisms
IN Bojsen, Kirsten, Allerod, Denmark
Yu, Shukun, Malmo, Sweden
Kragh, Karsten, Viby J, Denmark
Christensen, Tove, Allerod, Denmark
Marcussen, Jan, Copenhagen, Denmark
PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
PI US 5908760 19990601
WO 9510617 19950420
AI US 1996-633770 19960708 (8)
WO 1994-EP3398 19941015
19960708 PCT 371 date
19960708 PCT 102(e) date
PRAI GB 1993-21302 19931015
DT Utility
FS Granted
LN.CNT 1285
INCL INCLM: 435/069.100
INCLS: 536/023.740; 536/024.320; 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000; 530/823.000; 935/011.000; 935/014.000; 935/068.000
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000; 530/823.000; 536/023.740; 536/024.320
IC [6]
ICM: C12N015-00
ICS: C12N009-88; C07H021-04
EXF 435/69.1; 435/240.1; 435/320.1; 435/183; 435/200; 435/232; 536/23.74; 536/24.32; 935/11; 935/14; 935/66; 935/68; 530/344; 530/350; 530/412; 530/417; 530/820; 530/823
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 16 USPATFULL
AN 97:115135 USPATFULL
TI ***Glucan*** ***lyase*** producing 1,5- ***anhydrofructose***
IN Yu, Shukun, Malmo, Sweden
Pedersen, Marianne, Rallarvagen, Sweden
Kenne, Lennart, Marsta, Sweden
PA T&M Biopolymer Aktiebolag, Uppsala, Sweden (non-U.S. corporation)
PI US 5695970 19971209
WO 9409122 19940428
AI US 1995-416709 19950418 (8)
WO 1993-SE854 19931019

```
                                19950418  PCT 371 date
                                19950418  PCT 102(e) date
PRAI   SE 1992-3084        19921021
DT     Utility
FS     Granted
LN.CNT 1039
INCL   INCLM: 435/105.000
       INCLS: 435/232.000; 435/252.330; 435/252.300; 435/257.200; 536/023.200
NCL    NCLM:  435/105.000
       NCLS:  435/232.000; 435/252.300; 435/252.330; 435/257.200; 536/023.200
IC     [6]
       ICM: C12P019-02
       ICS: C12N009-88; C12N001-20
EXF    435/232; 435/257.1; 435/105; 435/257.2; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


=> file agriculture
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    28.30      36.15

FILE 'AGRICOLA' ENTERED AT 16:25:35 ON 17 APR 2002

FILE 'BIOBUSINESS' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Biological Abstracts, Inc. (BIOSIS)

FILE 'BIOCOMMERCE' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 BioCommerce Data Ltd. Richmond Surrey, United Kingdom. All
rights reserved

FILE 'BIOSIS' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CABA' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 16:25:35 ON 17 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CBNB' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (c) 2002 ELSEVIER ENGINEERING INFORMATION, INC.

FILE 'CIN' ENTERED AT 16:25:35 ON 17 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

FILE 'CONFSCI' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE 'CROPB' ENTERED AT 16:25:35 ON 17 APR 2002
```

COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE 'CROPU' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE 'ESBIOBASE' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'FOMAD' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Leatherhead Food Research Association

FILE 'FOREGE' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Leatherhead Food Research Association

FILE 'FROSTI' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Leatherhead Food Research Association

FILE 'FSTA' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 International Food Information Service

FILE 'GENBANK' ENTERED AT 16:25:35 ON 17 APR 2002

FILE 'IFIPAT' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 IFI CLAIMS(R) Patent Services (IFI)

FILE 'INVESTEXT' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Thomson Financial Services, Inc. (TFS)

FILE 'LIFESCI' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE 'NAPRALERT' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Board of Trustees of the University of Illinois,
University of Illinois at Chicago.

FILE 'NTIS' ENTERED AT 16:25:35 ON 17 APR 2002
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2002)

FILE 'PASCAL' ENTERED AT 16:25:35 ON 17 APR 2002
Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2002 INIST-CNRS. All rights reserved.

FILE 'PHIC' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 PJB Publications Ltd. (PJB)

FILE 'PHIN' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 PJB Publications Ltd. (PJB)

FILE 'PROMT' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Gale Group. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 16:25:35 ON 17 APR 2002
COPYRIGHT (C) 2002 Institute for Scientific Information (ISI) (R)

```
FILE 'USPATFULL' ENTERED AT 16:25:35 ON 17 APR 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:25:35 ON 17 APR 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s anhydrofructose and wine
  28 FILES SEARCHED...
L5            0 ANHYDROFRUCTOSE AND WINE

=> s anhydrofructose and grape
L6            2 ANHYDROFRUCTOSE AND GRAPE

=> d 16 1-2

L6    ANSWER 1 OF 2  FROSTI  COPYRIGHT 2002 LFRA
AN    523400   FROSTI
TI    A process for preparing an anti-oxidant.
IN    Buchter-Larsen A.; Marcussen I.
PA    Danisco A/S
SO    British Patent Application
PI    GB 2340123  A
      WO 9850532  19981112
AI    19980506
PRAI  United Kingdom  19970506
DT    Patent
LA    English
SL    English

L6    ANSWER 2 OF 2  FROSTI  COPYRIGHT 2002 LFRA
AN    484464   FROSTI
TI    A process for preparing an antioxidant.
IN    Buchter-Larsen A.; Marcussen I.
PA    Danisco A/S
SO    PCT Patent Application
PI    WO 9850532  A2
AI    19980506
PRAI  United Kingdom  19970506
DT    Patent
LA    English
SL    English


=> FIL STNGUIDE
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    51.88      88.03

FILE 'STNGUIDE' ENTERED AT 16:27:31 ON 17 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 12, 2002 (20020412/UP).
```

=> file agriculture
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	88.09

FILE 'AGRICOLA' ENTERED AT 16:28:04 ON 17 APR 2002

FILE 'BIOBUSINESS' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Biological Abstracts, Inc. (BIOSIS)

FILE 'BIOCOMMERCE' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 BioCommerce Data Ltd. Richmond Surrey, United Kingdom. All rights reserved

FILE 'BIOSIS' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHNO' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CABA' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 16:28:04 ON 17 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CBNB' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (c) 2002 ELSEVIER ENGINEERING INFORMATION, INC.

FILE 'CIN' ENTERED AT 16:28:04 ON 17 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

FILE 'CONFSCI' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE 'CROPB' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE 'CROPU' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE 'ESBIOBASE' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'FOMAD' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Leatherhead Food Research Association

FILE 'FOREGE' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Leatherhead Food Research Association

FILE 'FROSTI' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Leatherhead Food Research Association

FILE 'FSTA' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 International Food Information Service

FILE 'GENBANK' ENTERED AT 16:28:04 ON 17 APR 2002

FILE 'IFIPAT' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 IFI CLAIMS(R) Patent Services (IFI)

FILE 'INVESTEXT' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Thomson Financial Services, Inc. (TFS)

FILE 'LIFESCI' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE 'NAPRALERT' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Board of Trustees of the University of Illinois,
University of Illinois at Chicago.

FILE 'NTIS' ENTERED AT 16:28:04 ON 17 APR 2002
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2002)

FILE 'PASCAL' ENTERED AT 16:28:04 ON 17 APR 2002
Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2002 INIST-CNRS. All rights reserved.

FILE 'PHIC' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 PJB Publications Ltd. (PJB)

FILE 'PHIN' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 PJB Publications Ltd. (PJB)

FILE 'PROMT' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Gale Group. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 16:28:04 ON 17 APR 2002
COPYRIGHT (C) 2002 Institute for Scientific Information (ISI) (R)

FILE 'USPATFULL' ENTERED AT 16:28:04 ON 17 APR 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:28:04 ON 17 APR 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> lyase and grape
LYASE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s lyase and plant
  12 FILES SEARCHED...
L7   19418 LYASE AND PLANT

=> s l7 and glucan
L8 279 L7 AND GLUCAN

=> s l8 and anhydrofructose
L9 17 L8 AND ANHYDROFRUCTOSE

=> d l9 1-17

L9 ANSWER 1 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:185806 BIOSIS
DN PREV200100185806
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana.
AU Konishi, Yotaro (1); Hashima, Keiko; Kishida, Kunihiro
CS (1) Faculty of Human Life Science, Osaka City University, 3-3-138, Sugimoto, Sumiyoshi-ku, Osaka, 558-8585: konishi@life.osaka-cu.ac.jp Japan
SO Bioscience Biotechnology and Biochemistry, (November, 2000) Vol. 64, No. 11, pp. 2462-2465. print.
ISSN: 0916-8451.
DT Article
LA English
SL English

L9 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:93236 BIOSIS
DN PREV200100093236
TI N-linked oligosaccharide processing enzyme glucosidase II produces 1,5-***anhydrofructose*** as a side product.
AU Hirano, Kiyoko; Ziak, Martin; Kamoshita, Keiichi; Sukenaga, Yoshikazu; Kametani, Shunichi; Shiga, Yoko; Roth, Jurgen; Akanuma, Hiroshi (1)
CS (1) Department of Life Sciences (Chemistry), Graduate School of Arts and Sciences, The University of Tokyo, Komaba, Meguro-ku, Tokyo, 153-8902 Japan
SO Glycobiology, (December, 2000) Vol. 10, No. 12, pp. 1283-1289. print.
ISSN: 0959-6658.
DT Article
LA English
SL English

L9 ANSWER 3 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1999:443718 BIOSIS
DN PREV199900443718
TI alpha-1,4- ***Glucan*** ***lyases*** producing 1,5-anhydro-D-fructose from starch and glycogen have sequence similarity to alpha-glucosidases.
AU Yu, Shukun (1); Bojsen, Kirsten; Svensson, Birte; Marcussen, Jan
CS (1) Danisco Biotechnology, Danisco A/S, Langebrogade 1, DK 1001, Copenhagen K Denmark
SO Biochimica et Biophysica Acta, (Aug. 17, 1999) Vol. 1433, No. 1-2, pp. 1-15.
ISSN: 0006-3002.
DT General Review
LA English
SL English

L9 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:256615 BIOSIS

DN PREV199395135790
TI Alpha-1,4- ***Glucan*** ***lyase*** , a new class of starch/glycogen degrading enzyme: I. Efficient purification and characterization from red seaweeds.
AU Yu, Shukun (1); Kenne, Lennart; Pedersen, Marianne
CS (1) Dep. Physiol. Bot., Uppsala Univ., Box S-572 36 Uppsala Sweden
SO Biochimica et Biophysica Acta, (1993) Vol. 1156, No. 3, pp. 313-320. ISSN: 0006-3002.
DT Article
LA English

L9 ANSWER 5 OF 17 CABA COPYRIGHT 2002 CABI
AN 2001:41188 CABA
DN 20013022491
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana
AU Konishi, Y.; Hashima, K.; Kishida, K.
CS Faculty of Human Life Science, Osaka City University, 3-3-138, Sugimoto, Sumiyoshi-ku, Osaka 558-8585, Japan.
SO Bioscience, Biotechnology and Biochemistry, (2000) Vol. 64, No. 11, pp. 2462-2465. 21 ref.
ISSN: 0916-8451
DT Journal
LA English

L9 ANSWER 6 OF 17 CABA COPYRIGHT 2002 CABI
AN 94:96376 CABA
DN 940307783
TI alpha -1,4- ***Glucan*** ***lyase*** , a new class of starch/glycogen degrading enzyme. 1. Efficient purification and characterization from red seaweeds
AU Yu, S. K.; Kenne, L.; Pedersen, M.
CS Department of Physiological Botany, Uppsala University, Box 540, 752 36 Uppsala, Sweden.
SO Biochimica et Biophysica Acta, General Subjects, (1993) Vol. 1156, No. 3, pp. 313-320. 28 ref.
ISSN: 0304-4165
DT Journal
LA English

L9 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2002 ACS
AN 2000:860876 CAPLUS
DN 134:144629
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana
AU Konishi, Yotaro; Hashima, Keiko; Kishida, Kunihiro
CS Faculty of Human Life Science, Osaka City University, Osaka, 558-8585, Japan
SO Bioscience, Biotechnology, and Biochemistry (2000), 64(11), 2462-2465
CODEN: BBBIEJ; ISSN: 0916-8451
PB Japan Society for Bioscience, Biotechnology, and Agrochemistry
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 8 OF 17 FROSTI COPYRIGHT 2002 LFRA

AN 547144 FROSTI
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana.
AU Konishi Y.; Hashima K.; Kishida K.
SO Bioscience, Biotechnology, and Biochemistry, 2000, (November), 64 (11), 2462-2465 (21 ref.)
Published by: Japan Society for Bioscience, Biotechnology and Agrochemistry (Nippon Nogeikagaku Kai) Address: Japan Academic Societies Center Building, 2-4-16, Yayoi, Bunkyo-ku, Tokyo 113-0032, Japan Fax: +81 (3) 3815 1920 Web: wwwsoc.nacsis.ac.jp/jsbba
ISSN: 0002-1369
DT Journal
LA English
SL English

L9 ANSWER 9 OF 17 FROSTI COPYRIGHT 2002 LFRA
AN 523400 FROSTI
TI A process for preparing an anti-oxidant.
IN Buchter-Larsen A.; Marcussen I.
PA Danisco A/S
SO British Patent Application
PI GB 2340123 A
WO 9850532 19981112
AI 19980506
PRAI United Kingdom 19970506
DT Patent
LA English
SL English

L9 ANSWER 10 OF 17 FROSTI COPYRIGHT 2002 LFRA
AN 484464 FROSTI
TI A process for preparing an antioxidant.
IN Buchter-Larsen A.; Marcussen I.
PA Danisco A/S
SO PCT Patent Application
PI WO 9850532 A2
AI 19980506
PRAI United Kingdom 19970506
DT Patent
LA English
SL English

L9 ANSWER 11 OF 17 FSTA COPYRIGHT 2002 IFIS
AN 2001(05):J0991 FSTA
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana.
AU Konishi, Y.; Hashima, K.; Kishida, K.
CS Fac. of Human Life Sci., Osaka City Univ., Osaka 558-8585, Japan. Tel. & Fax +81 6 6605 2813. E-mail konishi(a)life.osaka-cu.ac.jp
SO Bioscience, Biotechnology, and Biochemistry, (2000), 64 (11) 2464-2465, 21 ref.
ISSN: 0916-8451
DT Journal
LA English

L9 ANSWER 12 OF 17 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
AN 2001-0184047 PASCAL

CP Copyright .COPYRGT. 2001 INIST-CNRS. All rights reserved.
TIEN Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana
AU KONISHI Yotaro; HASHIMA Keiko; KISHIDA Kunihiro
CS Faculty of Human Life Science, Osaka City University, 3-3-138, Sugimoto, Sumiyoshi-ku, Osaka 558-8585, Japan
SO Bioscience, biotechnology, and biochemistry, (2000), 64(11), 2462-2465, 21 refs.
ISSN: 0916-8451
DT Journal
BL Analytic
CY Japan
LA English
AV INIST-8935, 354000093918800250

L9 ANSWER 13 OF 17 SCISEARCH COPYRIGHT 2002 ISI (R)
AN 2000:926807 SCISEARCH
GA The Genuine Article (R) Number: 378ZH
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and in ripening banana
AU Konishi Y (Reprint); Hashima K; Kishida K
CS OSAKA CITY UNIV, FAC HUMAN LIFE SCI, SUMIYOSHI KU, 3-3-138 SUGIMOTO, OSAKA 5588585, JAPAN (Reprint)
CYA JAPAN
SO BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, (NOV 2000) Vol. 64, No. 11, pp. 2462-2465.
Publisher: JAPAN SOC BIOSCI BIOTECHN AGROCHEM, JAPAN ACAD SOC CTR BLDG, 2-4-6 YAYOI BUNKYO-KU, TOKYO 113, JAPAN.
ISSN: 0916-8451.
DT Article; Journal
FS LIFE; AGRI
LA English
REC Reference Count: 21
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L9 ANSWER 14 OF 17 USPATFULL
AN 2002:16641 USPATFULL
TI Foodstuff
IN Soe, Jorn Borch, Mundelstrup, DENMARK
PI US 2002009518 A1 20020124
AI US 2000-750990 A1 20001228 (9)
RLI Continuation-in-part of Ser. No. WO 1999-IB1354, filed on 20 Jul 1999, UNKNOWN
PRAI GB 1998-15905 19980721
GB 1998-24758 19981111
DT Utility
FS APPLICATION
LN.CNT 1268
INCL INCLM: 426/033.000
INCLS: 426/061.000; 426/601.000
NCL NCLM: 426/033.000
NCLS: 426/061.000; 426/601.000
IC [7]
ICM: A23L001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 15 OF 17 USPATFULL

AN 2000:4667 USPATFULL
TI .alpha.-1,4- ***glucan*** ***lyase*** from a fungus infected algae, its purification, gene cloning and expression in microorganisms
IN Yu, Shukun, Malmo, Sweden
Bojsen, Kirsten, Allerod, Denmark
Kragh, Karsten, Viby, Denmark
Bojko, Maja, Gentofte, Denmark
Nielsen, John, Copenhagen, Denmark
Marcussen, Jan, Copenhagen, Denmark
PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
PI US 6013504 20000111
WO 9510618 19960420
AI US 1996-633768 19960702 (8)
WO 1994-EP3399 19941015
19960702 PCT 371 date
19960702 PCT 102(e) date
PRAI GB 1993-21301 19931015
DT Utility
FS Granted
LN.CNT 1543
INCL INCLM: 435/232.000
INCLS: 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100; 536/023.200; 536/023.740; 424/094.500
NCL NCLM: 435/232.000
NCLS: 424/094.500; 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100; 536/023.200; 536/023.740
IC [6]
ICM: C12N009-88
EXF 435/232; 435/257.2; 435/252.3; 435/252.33; 435/105; 536/23.1; 536/23.2; 536/23.74; 424/94.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 17 USPATFULL
AN 1999:63233 USPATFULL
TI .alpha.-1,4- ***glucan*** ***lyase*** from a fungus, its purification gene cloning and expression in microorganisms
IN Bojsen, Kirsten, Allerod, Denmark
Yu, Shukun, Malmo, Sweden
Kragh, Karsten, Viby J, Denmark
Christensen, Tove, Allerod, Denmark
Marcussen, Jan, Copenhagen, Denmark
PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)
PI US 5908760 19990601
WO 9510617 19950420
AI US 1996-633770 19960708 (8)
WO 1994-EP3398 19941015
19960708 PCT 371 date
19960708 PCT 102(e) date
PRAI GB 1993-21302 19931015
DT Utility
FS Granted
LN.CNT 1285
INCL INCLM: 435/069.100
INCLS: 536/023.740; 536/024.320; 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000; 530/823.000; 935/011.000; 935/014.000; 935/068.000
NCL NCLM: 435/069.100

NCLS: 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000; 530/823.000; 536/023.740; 536/024.320
IC [6]
ICM: C12N015-00
ICS: C12N009-88; C07H021-04
EXF 435/69.1; 435/240.1; 435/320.1; 435/183; 435/200; 435/232; 536/23.74; 536/24.32; 935/11; 935/14; 935/66; 935/68; 530/344; 530/350; 530/412; 530/417; 530/820; 530/823
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 17 USPATFULL
AN 97:115135 USPATFULL
TI ***Glucan*** ***lyase*** producing 1,5- ***anhydrofructose***
IN Yu, Shukun, Malmo, Sweden
Pedersen, Marianne, Rallarvagen, Sweden
Kenne, Lennart, Marsta, Sweden
PA T&M Biopolymer Aktiebolag, Uppsala, Sweden (non-U.S. corporation)
PI US 5695970 19971209
WO 9409122 19940428
AI US 1995-416709 19950418 (8)
WO 1993-SE854 19931019
19950418 PCT 371 date
19950418 PCT 102(e) date
PRAI SE 1992-3084 19921021
DT Utility
FS Granted
LN.CNT 1039
INCL INCLM: 435/105.000
INCLS: 435/232.000; 435/252.330; 435/252.300; 435/257.200; 536/023.200
NCL NCLM: 435/105.000
NCLS: 435/232.000; 435/252.300; 435/252.330; 435/257.200; 536/023.200
IC [6]
ICM: C12P019-02
ICS: C12N009-88; C12N001-20
EXF 435/232; 435/257.1; 435/105; 435/257.2; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	72.32	160.41

FILE 'STNGUIDE' ENTERED AT 16:31:38 ON 17 APR 2002

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 12, 2002 (20020412/UP).

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	160.89

STN INTERNATIONAL LOGOFF AT 16:36:32 ON 17 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RKK

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 25	Searching with the P indicator for Preparations
NEWS 4	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 5	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 6	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 7	Mar 08	Gene Names now available in BIOSIS
NEWS 8	Mar 22	TOXLIT no longer available
NEWS 9	Mar 22	TRCTHERMO no longer available
NEWS 10	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 11	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 12	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 13	Apr 08	"Ask CAS" for self-help around the clock
NEWS 14	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 15	Apr 09	ZDB will be removed from STN

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:04:41 ON 18 APR 2002

=> file agricola biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'AGRICOLA' ENTERED AT 09:05:00 ON 18 APR 2002

FILE 'BIOSIS' ENTERED AT 09:05:00 ON 18 APR 2002

=> s grape and antioxidants and transformation
L1 2 GRAPE AND ANTIOXIDANTS AND TRANSFORMATION

=> d l1 1-2

L1 ANSWER 1 OF 2 AGRICOLA
AN 97:2747 AGRICOLA
DN IND20539753
TI Establishment of an Agrobacterium-mediated ***transformation*** system for ***grape*** (Vitis vinifera L.): The role of ***antioxidants*** during ***grape*** -Agrobacterium interactions.
AU Perl, A.; Lotan, O.; Abu-Abied, M.
CS The Volcani Center, Bet-Dagan, Israel.
AV DNAL (QH442.B5)
SO Nature biotechnology, May 1996. Vol. 14, No. 5. p. 624-628
Publisher: New York, NY : Nature Pub. Co., [1996-
CODEN: NABIF9; ISSN: 1087-0156
NTE Includes references
CY New York (State); United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L1 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1996:268102 BIOSIS
DN PREV199698824231
TI Establishment of an Agrobacterium-mediated ***transformation*** system for ***grape*** (Vitis vinifera L.): The role of ***antioxidants*** during ***grape*** -Agrobacterium interactions.
AU Perl, Avihai (1); Lotan, Ofra; Abu-Abied,, M.; Holland, D.
CS (1) Dep. Fruit Tree Breeding Molecular Genetics, Agricultural Research Organization, The Volcani Center, P.O. Box 6 Bet-Dagan 50250 Israel
SO Nature Biotechnology, (1996) Vol. 14, No. 5, pp. 624-628.

ISSN: 1087-0156.
DT Article
LA English

=> FIL STNGUIDE
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 3.80 | 4.01

FILE 'STNGUIDE' ENTERED AT 09:05:41 ON 18 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 12, 2002 (20020412/UP).

=> file agricola biosis
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.06 | 4.07

FILE 'AGRICOLA' ENTERED AT 09:06:11 ON 18 APR 2002

FILE 'BIOSIS' ENTERED AT 09:06:11 ON 18 APR 2002

=> s antioxidant and transform
L2 53 ANTIOXIDANT AND TRANSFORM

=> s l2 and plant
L3 5 L2 AND PLANT

=> d l3 1-5

L3 ANSWER 1 OF 5 AGRICOLA
AN 1998:48968 AGRICOLA
DN IND21242612
TI In vivo antiperoxidative effect of 9-cis beta-carotene compared with that of the all-trans isomer.
AU Levin, G.; Yeshurun, M.; Modaky, S.
AV DNAL (RC262.C5N8)
SO Nutrition and cancer, 1997. Vol. 27, No. 3. p. 293-297
Publisher: Mahwah, N.J. : Lawrence Erlbaum Associates, Inc.
CODEN: NUCADQ; ISSN: 0163-5581
NTE Includes references
CY New Jersey; United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L3 ANSWER 2 OF 5 AGRICOLA
AN 96:6533 AGRICOLA
DN IND20494537
TI Characterization of Arabidopsis thaliana cDNAs that render yeasts tolerant toward the thiol-oxidizing drug diamide.

AU Kushnir, S.; Babiychuk, E.; Kampfenkel, K.; Belles-Boix, E.; Montagu, M. van.; Inze, D.
CS Universiteit Gent, Ghent, Belgium.
AV DNAL (500 N21P)
SO Proceedings of the National Academy of Sciences of the United States of America, Nov 7, 1995. Vol. 92, No. 23. p. 10580-10584
Publisher: Washington, D.C. : National Academy of Sciences,
CODEN: PNASA6; ISSN: 0027-8424
NTE Includes references
CY District of Columbia; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L3 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:170814 BIOSIS
DN PREV200100170814
TI Violacein transformation by peroxidases and oxidases: Implications on its biological properties.
AU Bromberg, Natalia; Duran, Nelson (1)
CS (1) Biological Chemistry Laboratory, Institute of Chemistry, Universidade Estadual de Campinas (UNICAMP), C.E.P. 13083-970, Campinas, Sao Paulo: duran@iqm.unicamp.br Brazil
SO Journal of Molecular Catalysis B Enzymatic, (22 January, 2001) Vol. 11, No. 4-6, pp. 463-467. print.
ISSN: 1381-1177.
DT Article
LA English
SL English

L3 ANSWER 4 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2000:48106 BIOSIS
DN PREV200000048106
TI Antioxidative phenolic compounds from Japanese barnyard millet (Echinochloa utilis) grains.
AU Watanabe, Mitsuru (1)
CS (1) Ministry of Agriculture, Forestry and Fisheries, Tohoku National Agricultural Experiment Station, Akahira, Shimokuriyagawa, Morioka, Iwate Japan
SO Journal of Agricultural and Food Chemistry, (Nov., 1999) Vol. 47, No. 11, pp. 4500-4505.
ISSN: 0021-8561.
DT Article
LA English
SL English

L3 ANSWER 5 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1996:21479 BIOSIS
DN PREV199698593614
TI Characterization of Arabidopsis thalianca cDNAs that render yeasts tolerant toward the thiol-oxidizing drug diamide.
AU Kushnir, Sergei; Babiychuk, Elena; Kamfenkel, Karlheinz; Belles-Boix, Enric; Van Montagu, Marc; Inze, Dirk
CS Lab. voor Genetica, Univ. Gent, K.L. Ledeganckstraat 35, B-9000 Ghent Belgium
SO Proceedings of the National Academy of Sciences of the United States of America, (1995) Vol. 92, No. 23, pp. 10580-10584.

ISSN: 0027-8424.
DT Article